Also Known As: B10.D2, B10.D2-Hc1

In this congenic strain, the DBA/2-derived H2 complex (including the nonclassical class 1 $T18^c$ allele) was introgressed onto the C57BL/10Sn background. In contrast to B10.D2-Hc0 $H2^d$ H2-T18c/oSnJ (Stock # 000461), this strain is C5 sufficient ($Hc^1$). Mice congenic for H2 haplotypes are widely used in immunologic research and often vary in immune response and pathogen susceptibility.
In this congenic strain, the DBA/2 H2 complex ($H2^d$), including the nonclassical class 1 $T18^c$ (thymus leukemia (TL) antigen) loci, on
chromosome 17 was introgressed onto the C57BL/10Sn background. $H2^d$ occurs naturally in the following inbred strains: DBA/2, DBA/2J BALB/c, BALB/cByJ, BALB/cJ, C57BLKS, NZB. The $H2^d$ haplotype is $d$ at the class I loci (K, D) and the class II loci (A, E). This strain carries the hemolytic complement or C5 sufficient ($Hc^i$) allele from C57BL/10Sn in contrast to B10.D2- $Hc^0$ $H2^d$ $H2$- $T18^c$ oSnJ (Stock # 000461), in which, $Hc^0$ has a 2 base pair deletion that generates a stop codon. Mice congenic for $H2$ haplotypes are widely used in immunologic research and often vary in immune response and pathogen susceptibility from the recipient strain.
## Dietary Information
LabDiet® 5K52 formulation (6% fat)

## Breeding Considerations
This strain is a good breeder.

### Additional Breeding and Husbandry Support
**Mating System**
Homozygote x Homozygote

**Appearance**
black

**Related Genotype:** a/a

### Citation
When using the B10.D2 mouse strain in a publication, please cite the originating article(s) and include JAX stock #000463 in your Materials and Methods section.

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Available Now

- Sized to accommodate orders of up to 10 or more with age range. Ask Customer Service for details.

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**Pricing effective for USA, Canada and Mexico shipping destinations**

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